





"Our next stop will be Lakeshore Drive, Chicago. We will be arriving at our destination in approximately .00047198 seconds."

96.288 Kilometers

The speed of light through glass medium is the speed of light divided by the index of refraction. The index of refraction for single mode fiber at ~1550 nm, 8.3 micron core, 125 micron cladding is approximately 1.4695.

In digital
communications the
"eye diagram" is used to
visualize how the waveforms used to
send multiple bits of data can potentially lead
to errors in the interpretation of those bits. This is the
problem of intersymbol interference. Intersymbol
interference is a distortion manifested in the temporal
spreading and consequent overlap of individual
pulses to the degree that the receiver cannot
reliably distinguish between changes
of state, i.e., between individual
signal elements.

